

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problems Mailbox.**

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/804,717
Source: OLK
Date Processed by STIC: 1/28/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Terry B. Strom et al. Art Unit : Unknown
Serial No. : 09/804,717 Examiner : Unknown
Filed : March 12, 2001
Title : METHOD AND COMPOUNDS FOR PREVENTION OF GRAFT REJECTION

BOX SEQUENCE

U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I, Maureen Ruttle, declare that I personally prepared the paper and the computer-readable copy of the Sequence Listing filed herewith for the above-identified application and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: March 15, 2002

Maureen Ruttle
Maureen Ruttle

Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804
(617) 542-5070 telephone
(617) 542-8906 facsimile

20398726.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

April 22, 2002
Date of Deposit

Mary E. Jacoby
Signature

Mary E. Jacoby
Typed or Printed Name of Person Signing Certificate



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002
TIME: 13:25:27

PS

Input Set : A:\SEQUENCE LISTING.TXT
Output Set: N:\CRF3\01282002\I804717.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Strom, Terry B.
5 Libermann, Towia
7 <120> TITLE OF INVENTION: METHODS AND COMPOUNDS FOR PREVENTION OF GRAFT REJECTION
9 <130> FILE REFERENCE: 01948-051003
11 <140> CURRENT APPLICATION NUMBER: US 09/804,717
12 <141> CURRENT FILING DATE: 2001-03-12
14 <150> PRIOR APPLICATION NUMBER: US 09/304,755
15 <151> PRIOR FILING DATE: 1999-05-04
17 <150> PRIOR APPLICATION NUMBER: US 08/273,402
18 <151> PRIOR FILING DATE: 1994-07-11
20 <150> PRIOR APPLICATION NUMBER: US 08/024,569
21 <151> PRIOR FILING DATE: 1993-03-01
23 <150> PRIOR APPLICATION NUMBER: US 07/843,731
24 <151> PRIOR FILING DATE: 1992-02-28
26 <160> NUMBER OF SEQ ID NOS: 46
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 25
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 1
36 tgatggacct acaggagctc ctgag 25
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 26
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
43 <400> SEQUENCE: 2
44 gagtcaaatac cagaaacatg ccgcag 26
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 25
48 <212> TYPE: DNA
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 3
52 cgaagaacac cacagagagt gagct 25
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 25
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 4
60 gactcattca tgggtgcagct tatcg 25
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 25
64 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002

TIME: 13:25:27

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\01282002\I804717.raw

65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 5
68 tggagtcaca gaaggagtgg ctaag 25
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 25
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 6
76 tctgaccaca gtgaggaatg tccac 25
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 31
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 7
84 agcggctgac tgaactgaac tcagattgta g 31
86 <210> SEQ ID NO: 8
87 <211> LENGTH: 24
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 8
92 gtcacagttt tcagctgtat aggg 24
94 <210> SEQ ID NO: 9
95 <211> LENGTH: 24
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 9
100 ggcaggtcta ctttgagtc attg 24
102 <210> SEQ ID NO: 10
103 <211> LENGTH: 26
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 10
108 acattcgagg ctccagtga ttccag 26
110 <210> SEQ ID NO: 11
111 <211> LENGTH: 20
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 11
116 aagtggatcc acgagcccaa 20
118 <210> SEQ ID NO: 12
119 <211> LENGTH: 20
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 12
124 ctgcacttgc aggagcgac 20
126 <210> SEQ ID NO: 13
127 <211> LENGTH: 30
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002

TIME: 13:25:27

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\01282002\I804717.raw

```

131 <400> SEQUENCE: 13
132 cttggcatgc ttgtcaacag cgcaccact          30
134 <210> SEQ ID NO: 14
135 <211> LENGTH: 27
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 14
140 gtgttgtaag caggaggtac atagtta          27
142 <210> SEQ ID NO: 15
143 <211> LENGTH: 22
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 15
148 cacggcacag tcattgaaag cc                22
150 <210> SEQ ID NO: 16
151 <211> LENGTH: 22
152 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 16
156 ttccggcaac agctggtgga cc                22
158 <210> SEQ ID NO: 17
159 <211> LENGTH: 23
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 17
164 gatgtgccaa acgtcctcac agc                23
166 <210> SEQ ID NO: 18
167 <211> LENGTH: 24
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 18
172 cgatgaatcc aggcacgaa aagc                24
174 <210> SEQ ID NO: 19
175 <211> LENGTH: 22
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 19
180 ctgcctgctc ttactgactg gc                22
182 <210> SEQ ID NO: 20
183 <211> LENGTH: 20
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 20
188 aatcactctt cacctgtcc                    20
190 <210> SEQ ID NO: 21
191 <211> LENGTH: 18
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 21

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002
TIME: 13:25:27

Input Set : A:\SEQUENCE LISTING.TXT
Output Set: N:\CRF3\01282002\I804717.raw

196	cccaggcgca atgtcaat	18
198	<210> SEQ ID NO: 22	
199	<211> LENGTH: 18	
200	<212> TYPE: DNA	
201	<213> ORGANISM: Homo sapiens	
203	<400> SEQUENCE: 22	
204	ccaggataag aaactcga	18
206	<210> SEQ ID NO: 23	
207	<211> LENGTH: 20	
208	<212> TYPE: DNA	
209	<213> ORGANISM: Homo sapiens	
211	<400> SEQUENCE: 23	
212	aagtggatcc acgagcccaa	20
214	<210> SEQ ID NO: 24	
215	<211> LENGTH: 20	
216	<212> TYPE: DNA	
217	<213> ORGANISM: Homo sapiens	
219	<400> SEQUENCE: 24	
220	ctgcacttgc aggagcgcac	20
222	<210> SEQ ID NO: 25	
223	<211> LENGTH: 21	
224	<212> TYPE: DNA	
225	<213> ORGANISM: Homo sapiens	
227	<400> SEQUENCE: 25	
228	ggtctatatg cgttgcttag g	21
230	<210> SEQ ID NO: 26	
231	<211> LENGTH: 20	
232	<212> TYPE: DNA	
233	<213> ORGANISM: Homo sapiens	
235	<400> SEQUENCE: 26	
236	ctcgggagaa gaatttctgc	20
238	<210> SEQ ID NO: 27	
239	<211> LENGTH: 24	
240	<212> TYPE: DNA	
241	<213> ORGANISM: Homo sapiens	
243	<400> SEQUENCE: 27	
244	cgtgacatca aagagaagct gtgc	24
246	<210> SEQ ID NO: 28	
247	<211> LENGTH: 25	
248	<212> TYPE: DNA	
249	<213> ORGANISM: Homo sapiens	
251	<400> SEQUENCE: 28	
252	gctcaggagg agcaatgatc ttgat	25
254	<210> SEQ ID NO: 29	
255	<211> LENGTH: 20	
256	<212> TYPE: DNA	
257	<213> ORGANISM: Homo sapiens	
259	<400> SEQUENCE: 29	
260	accagcccta agtgatccgc	20

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002
TIME: 13:25:27

Input Set : A:\SEQUENCE LISTING.TXT
Output Set: N:\CRF3\01282002\I804717.raw

262 <210> SEQ ID NO: 30
263 <211> LENGTH: 24
264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 30
268 ggtagagggga gcagatgctg gtgc 24
270 <210> SEQ ID NO: 31
271 <211> LENGTH: 24
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 31
276 gaccctcagg cctacaagga gagc 24
278 <210> SEQ ID NO: 32
279 <211> LENGTH: 24
280 <212> TYPE: DNA
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 32
284 ggatctcata gaggatggtk gcag 24
286 <210> SEQ ID NO: 33
287 <211> LENGTH: 25
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
W--> 292 <221> NAME/KEY: primer for PCR
W--> 294 <223> OTHER INFORMATION: ←
294 <400> SEQUENCE: 33
295 tgatggacct acaggagctc ctgag 25
297 <210> SEQ ID NO: 34
298 <211> LENGTH: 26
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
W--> 303 <221> NAME/KEY: primer for PCR
W--> 305 <223> OTHER INFORMATION: ←
305 <400> SEQUENCE: 34
306 gagtcaaadc cagaaacatg ccgcag 26
308 <210> SEQ ID NO: 35
309 <211> LENGTH: 25
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
W--> 314 <221> NAME/KEY: primer for PCR
W--> 316 <223> OTHER INFORMATION: ←
316 <400> SEQUENCE: 35
317 cgaagaacac cacagagagt gagct
319 <210> SEQ ID NO: 36
320 <211> LENGTH: 25
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence

(See 1.823 of Sequence Rules)

Explanation for Artificial Sequence or for
Unknown
goes
on 2237
line

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent 25
sequences for similar errors.

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/804,717

DATE: 01/28/2002

TIME: 13:25:28

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF3\01282002\I804717.raw

L:292 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33
 L:294 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:303 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:34
 L:305 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:314 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:35
 L:316 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:325 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:36
 L:327 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:336 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:37
 L:338 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38
 L:349 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39
 L:360 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:369 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40
 L:371 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:380 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:41
 L:382 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:391 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:42
 L:393 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:402 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:43
 L:404 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:413 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44
 L:415 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:424 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
 L:426 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
 L:435 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46
 L:437 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: